

Next 2 Page(s) In Document Exempt

ILLEGIB

Copy
32 Pages

~~TOP SECRET~~

CIA/PIR-17-64
June 1964

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

SOVIET-TYPE SAM INSTALLATIONS,
WACS 281, 282, 287, 289, 291,
322 THROUGH 326, 328, AND 329



Published and Disseminated By
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declassification Review by NIMA / DoD NSA review(s) completed.

~~TOP SECRET~~

GROUP 1
Excluded from automatic
downgrading and declassification

TOP SECRET

CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

SOVIET-TYPE SAM INSTALLATIONS,
WACS 281, 282, 287, 289, 291,
322 THROUGH 326, 328, AND 329

CIA PIR-17/64
June 1964

Published and Disseminated by
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

TOP SECRET

TOP SECRET [REDACTED]

CIA/PIR-17/64

PREFACE

This is the eighth in a series of reports, prepared in response to CIA requirement G-RR3-80,733, presenting locational and other pertinent information on all Soviet-type surface-to-air missile (SAM) installations. 1-7/ Installations included are SAM launch sites (SA-1, SA-2, SA-3, and SA-9), antimissile-missile activities, SAM support facilities, SAM R & D and training facilities, and unidentified in-

stallations, possibly SAM-related. The information will be presented by World Aeronautical Chart (WAC), and within each WAC by SAM defense area, as determined from photography and collateral sources. When the defense function of an installation cannot be determined, this will be so indicated. Where no installations have been identified in a WAC area, that WAC will be omitted.

25X1D

INTRODUCTION

This report presents information on all Soviet-type SAM installations located in the areas covered by WACs 281, 282, 287, 289, 291, 322, 323, 324, 325, 326, 328, and 329 and identified on photography. The cutoff date for this information is [REDACTED]. Figure 1 shows all the WAC areas, except Cuba, which will be covered in this series; those in red are covered in this report. WACs covered in the previous reports are outlined in red, and the report number is indicated on the graphic. Diagrams of the configurations of the common types of SAM installations are presented in Figure 2. Information for each WAC is shown in a table (Tables 1-12), which gives detailed data, and a map (Figures 3-14), which indicates the location and type of each SAM installation. Because of the volume of data for Table 9, Figure 11 has been repeated for easier reference.

Explanations of the columnar headings used in the tables are as follows:

Item--Given in a numerical sequence for each WAC, with numbers assigned to installations arbitrarily, and keyed to the accompanying WAC.

Name, Site Designator, BE Number--In accordance with the TDL. Absence of any of this information indicates that it was not available at the time of publication.

Coordinates--Given in degrees, minutes, and seconds, and plotted from series 200 US Air Target Charts unless otherwise indicated in next column.

Country & Map References--BL country codes used. Map reference is to the Air Target Chart sheet number (scale 1:200,000) unless otherwise indicated.

Type & Configuration--Indicates the type of SAM installation and its configuration as illustrated in Figure 2.

Mission & Date First Appears--Gives the number and date of the mission on which the installation was first sighted.

Mission & Date Installation Negated--Refers to the latest [REDACTED] photography on which it has been established that construction of the installation had not been started. Absence of any notation indicates that this information could not be determined.

Remarks--Covers items of special or unusual interest.

TOP SECRET [REDACTED]

Approved For Release 2005/02/17 : CIA-RDP78T05439A000400020113-4

Next 1 Page(s) In Document Exempt

25X1D

Approved For Release 2005/02/17 : CIA-RDP78T05439A000400020113-4

TOP SECRET [REDACTED]

25X1D

25X1A 25X1A

Table 1. SAM Installations on RUC 251

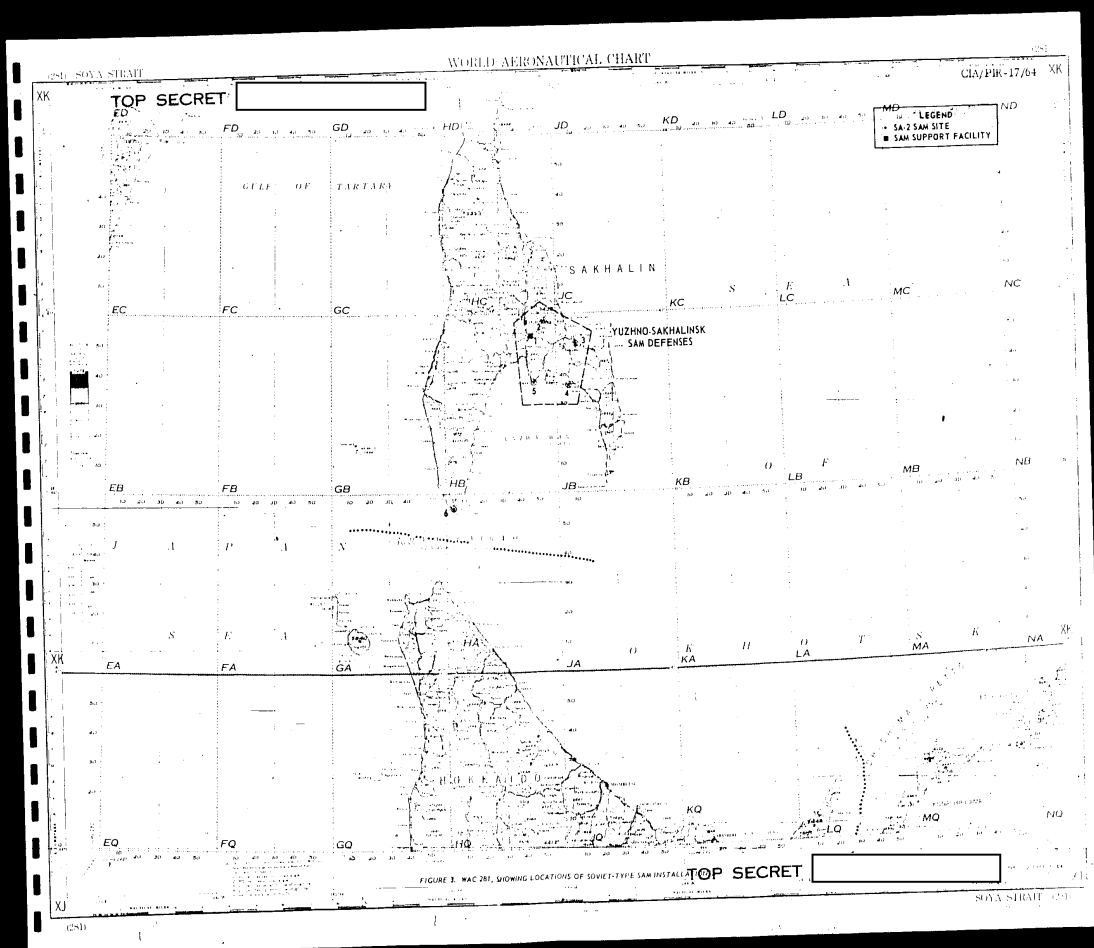
25X1A 25X1A

Table 1. SAM Installations on W.C. 251

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Yartnosakhinsk SAM Defenses (in defense of Yartnosakhinsk: military center-headquarters of Far East Military District, military installations, and four military airfields; small industrial center-facilities for production of explosives, alcohol, and oxypent and Korakos major port of Sakhalin Island, naval base, and military airfield)							
1	Yartnosakhinsk SAM Support Facility, [REDACTED]	46-52-50N 142-46-30E	UR 0281-8A	Type II (square)			[REDACTED]
2	Yartnosakhinsk SAM Site A10-2, [REDACTED]	46-57-00N 142-51-50E	UR 0281-8	SA-2, configuration undetermined			
3	Yartnosakhinsk SAM Site B12-2, [REDACTED]	46-50-45N 143-10-00E	UR 0281-8	SA-2, configuration undetermined			
4	Korakos SAM Site B10-2, [REDACTED]	46-46-50N 143-06-30E	UR 0281-8A	SA-2, link			
5	Korakos SAM Site A11-2, [REDACTED]	46-47-20N 142-48-50E	UR 0281-8A	SA-2, link			
B. Balyaya SAM Defense (defense role undetermined)							
6	Balyaya SAM Site A36-2, [REDACTED]	45-55-15N 142-01-30E	UR 0231-12A	SA-2, link			

25X1A 25X1A
25X1A

TOP SECRET [REDACTED]



TOP SECRET [REDACTED]

25X1A 25X1A

25X1D

Table 2. SAM Installations on R. 10' 252

Item	Name, Site Designation, & BE No	Coordinates	Country & Map Ref.	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Reported	Remarks
A. Baranovskiy SAM Defenses (in defense of Baranovskiy SAM Complex, and Gidraiki Airfield)							
1	Baranovskiy SAM Complex SAM Site A11-2, [REDACTED]	44-26-1N 131-22-40E	UR 0282-21	SA-2, star	[REDACTED]		
2	Baranovskiy SAM Support Facility, [REDACTED]	44-27-00N 131-22-45E	UR 0282-21	Type II (square)			
3	Baranovskiy SAM Complex SAM Site B03-2, [REDACTED]	44-27-10N 131-22-20E	UR 0282-21	SA-2, skull			
4	Baranovskiy SAM Complex SAM Site B19-2, [REDACTED]	44-02-10N 131-21-45E	UR 0282-21	SA-2, star			
5	Baranovskiy SAM Complex SAM Site B12-2, [REDACTED]	44-10-05N 131-41-00E	UR 0282-21	SA-2, skull			
B. Kremno SAM Defenses (in defense of Kremno SAM Complex and Gidraiki Airfield)							
6	Chernopivka SAM Site B25, [REDACTED]	44-12-30N 132-11-00E	UR 0282-21	SA-2, skull			
7	Chernopivka SAM Site B04-2, [REDACTED]	44-09-55N 132-11-50E	UR 0282-21	SA-3, configuration undetermined			
8	Chernopivka SAM Site C05-2, [REDACTED]	44-02-10N 132-30-00E	UR 0282-21	SA-3, configuration undetermined			
9	Chernopivka SAM Site A26, [REDACTED]	44-10-50N 132-30-00E	UR 0282-21	SA-2, star			
C. Novosyolovskiy SAM Defenses (in defense of Novosyolovskiy SAM Complex)							
10	Chernychevka SAM Site A26-2, [REDACTED]	44-10-50N 133-05-10E	UR 0282-22	SA-2, skull			
11	Chernychevka SAM Support Facility, [REDACTED]	44-12-00N 133-10-10E	UR 0282-21	Type II (square)			
12	Novosyolovskiy SAM Site A05-2, [REDACTED]	44-21-50N 133-30-10E	UR 0282-22	SA-2, skull			
13	Novosyolovskiy SAM Complex SAM Site C06-2, [REDACTED]	44-10-50N 133-05-10E	UR 0282-22	SA-2, skull			

25X1A 25X1A 25X1A
 25X1A 25X1A
 25X1A 25X1A

TOP SECRET [REDACTED]

TOP SECRET

CLASSIFIED

LEGEND
• SA-2 SAM SITE
● SA-3 SAM SITE
■ SAM SUPPORT FACILITY

BARANO ORENBURGSKOYE
SAM DEFENSES

2
1
3
4
5

KREHOVO
SAM DEFENSES
(SEE WAC 201
FOR CONTINUATION)

6
7
8
9

NOVOSYSSOYEVKA
SAM DEFENSES
(SEE WAC 201
FOR CONTINUATION)

10
11
12
13

FIGURE 4. WAC 202, SHOOTING ENGAGEMENT, STAGE 1, SAM DEFENSES

TOP SECRET

TOP SECRET

CIA/PBR-17/74

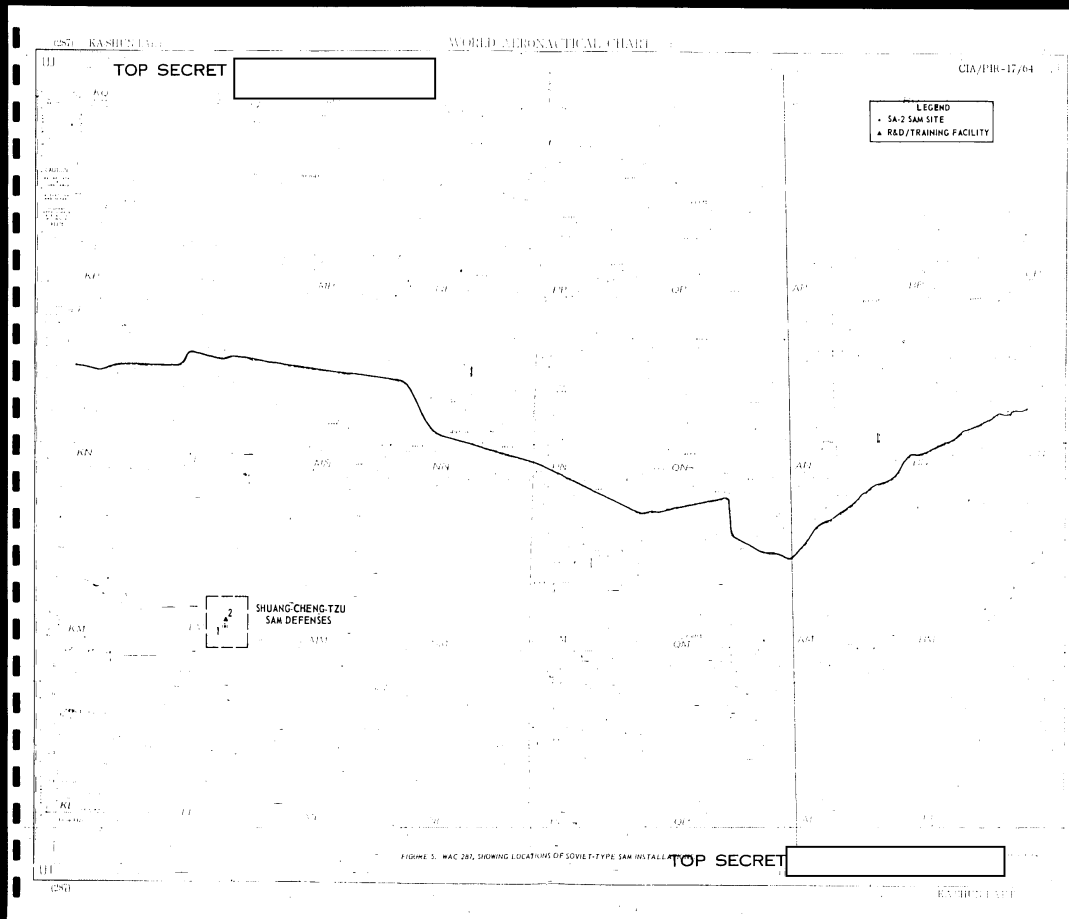
25X1D

25X1A

Table A. SAM Installations on RAC 257

Item	Name, Site Designator, & BE No.	Coordinates	Country & Map Ref.	Type & Configuration	Mission & Date First Appeared	Mission & Date Installation Reported	Remarks
A. Shuangchengzi (China) SAM Defenses (in defense of Shuangchengzi Missile Test Center, R & D facility for SSUs, SAMs, AAMs, and ASM-1)							
1	Shuangchengzi Missile Test Center SAM Site, [redacted]	41-06-00N 110-20-00E	CH AMS ESPANK 47A	SAM, star	[redacted]		
2	Shuangchengzi Missile Test Center SAM Launch Complex	41-04-08N 110-20-00E	CH AMS ESPANK 47A	See remarks	[redacted]		SAM Launch Complex consists of two fan-type SAM sites.

TOP SECRET



TOP SECRET [REDACTED]

Table 2. SAM Installations in WAP-293

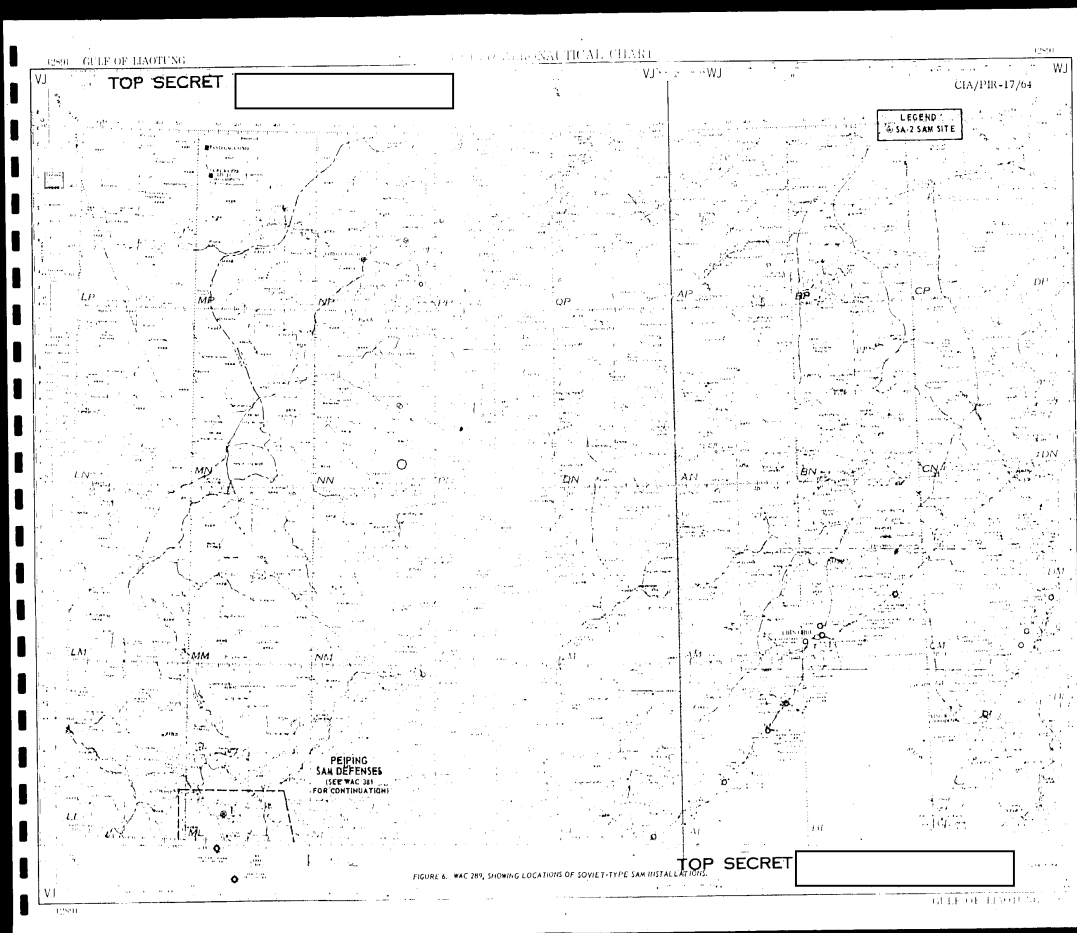
Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appr'd	Mission & Date Installation Negot'd	Remarks
1	Peiping SAM Site BE-21 [REDACTED]	40-09-20N 116-18-25E	Ch 0289-21	SA-2, link [REDACTED]			

A. Peiping (China) SAM Defenses (in defense of Peiping, capital of Communist China: military center-military airfields, atomic research institute, missile research and development center, numerous military installations--and industrial centers--steel plants, chemical works, oil-refining plants, and foundries)

25X1A

25X1D

TOP SECRET [REDACTED]



TOP SECRET

25X1A 25X1A 25X1A

Table 3. SAM Installations in WAF 291

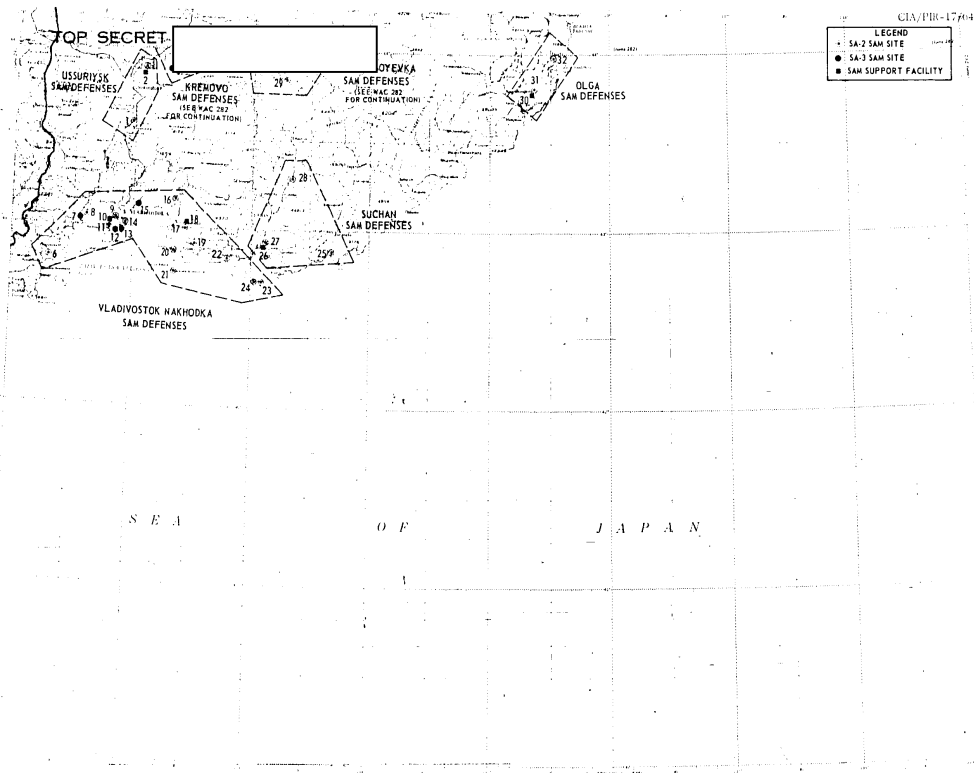
25X1D 25X1A 25X1B		Table 6. SAM Defenses in the Far East						
Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Separated	Remarks	
A. Ussuriysk SAM Defenses (in defense of Ussuriysk; industrial-transportive and car repair shops; and military center-arms storage, POL storage, and 11 military airfields within 20-nautical-mile radius of Ussuriysk)								
1	Ussuriysk SAM Site B19-2	43-35-05N 131-58-50E	UR 0291-1	SA-2, probable link			25X1D	
2	Ussuriysk SAM Support Facility	43-34-45N 132-02-00E	UR 0291-1	Type II (square)				
3	Ussuriysk SAM Site M19-2	43-53-25N 132-03-00E	UR 0291-1	SA-2, star				
B. Khatanga SAM Defenses (in defense of Khatanga MRBM Complex and Gubeki Airfield)								
1	Ussuriysk SAM Site B19-3	43-50-10N 132-16-50E	UR 0291-1	SA-3, configuration undetermined			25X1D	
5	Ussuriysk SAM Site C19-2	43-54-30N 132-26-20E	UR 0291-1	SA-2, chevron				
C. Vladivostok Nakhodka SAM Defenses (in defense of Vladivostok, largest and most important military center and naval base in the Soviet Far East, and Nakhodka- major naval base)								
6	Vladivostok SAM Site B25-2	42-49-45N 131-17-00E	UR 0291-6	SA-2, link			25X1D	
7	Vladivostok SAM Site B26-3	43-02-25N 131-33-00E	UR 0291-6	SA-3, configuration F				
8	Vladivostok SAM Site B27-2	43-02-55N 131-35-40E	UR 0291-6	SA-2, link				
9	Vladivostok SAM Site A25-2	43-02-45N 131-49-40E	UR 0291-6	SA-2, probable link				
10	Vladivostok SAM Support Facility	43-01-10N 131-47-20E	UR 0291-6	Type I (rectangular)				
11	Vladivostok SAM Site A23-2	43-06-15N 131-47-40E	UR 0291-6	SA-2, fan				
12	Vladivostok SAM Site A23-3	42-59-55N 131-49-10E	UR 0291-6	SA-3, configuration F				
13	Vladivostok SAM Site V19-2	42-58-30N 131-54-50E	UR 0291-6	SA-3, configuration F				
14	Vladivostok SAM Site A19-2	42-58-50N 131-55-15E	UR 0291-6	SA-2, fan				
15	Vladivostok SAM Site A07-3	43-07-10N 132-02-20E	UR 0291-6	SA-3, configuration F				
16	Vladivostok SAM Site B19-2	43-10-10N 132-29-20E	UR 0291-6	SA-2, fan				
17	Vladivostok SAM Site C11-2	43-09-50N 132-29-40E	UR 0291-6	SA-2, configuration undetermined				
18	Petrovka SAM Support Facility	43-00-55N 132-29-20E	UR 0291-6	Type I (rectangular)				
19	Nakhodka SAM Site B29-2	42-54-40N 132-30-40E	UR 0291-6	SA-2, link				
20	Vladivostok SAM Site C13	42-52-00N 132-20-00E	UR 0291-6	SA-2, fan				
21	Vladivostok SAM Site C14	42-45-25N 132-21-45E	UR 0291-6	SA-2, link				
22	Nakhodka SAM Site A26-2	42-55-50N 132-40-00E	UR 0291-7	SA-2, link				
23	Nakhodka SAM Site B15-2	42-42-15N 133-02-45E	UR 0291-7	SA-2, fan				
24	Nakhodka SAM Site B15-V	42-42-20N 133-01-45E	UR 0291-7	SA-2, configuration undetermined				
D. Suifan SAM Defenses (in defense of Suifan MRBM Complex)								
25	Kyevka SAM Site A22-2	42-52-50N 133-10-00E	UR 0291-7	SA-2, stat			25X1D	
26	Nakhodka SAM Support Facility	42-54-30N 133-05-50E	UR 0291-7	Type II (square)				
27	Nakhodka SAM Site A26-2	42-55-50N 132-40-00E	UR 0291-7	SA-2, link				
28	Suifan MRBM Complex SAM Site B11-2	43-17-25N 133-20-00E	UR 0291-2	SA-2, skull				
E. Nakhodka SAM Defenses (in defense of Nakhodka MRBM Complex)								
29	Nakhodka MRBM Complex SAM Site C21-2	43-50-30N 133-16-40E	UR 0291-2	SA-2, fan			25X1D	
F. Olga SAM Defenses (in defense of Olga Bay Submarine Base, Olga Air Defense Sector Headquarters, and Vladivostok-Submarine base and naval facility)								
30	Olga SAM Support Facility	43-46-50N 135-19-50E	UR 0291-3	Type II (square)				
31	Olga SAM Site A05-2	43-45-50N 135-21-00E	UR 0291-3	SA-2, fan				
32	Olga SAM Site B01-2	43-56-50N 135-31-00E	UR 0291-3	SA-2, configuration undetermined				
Proximity to buildings and Petrovka SAM Support Facility suggests a training role for this site.								

25X1A 25X1A 25X1A
 25X1A 25X1A 25X1A
 25X1A

TOP SECRET

(2011)

TOP SECRET



(291)

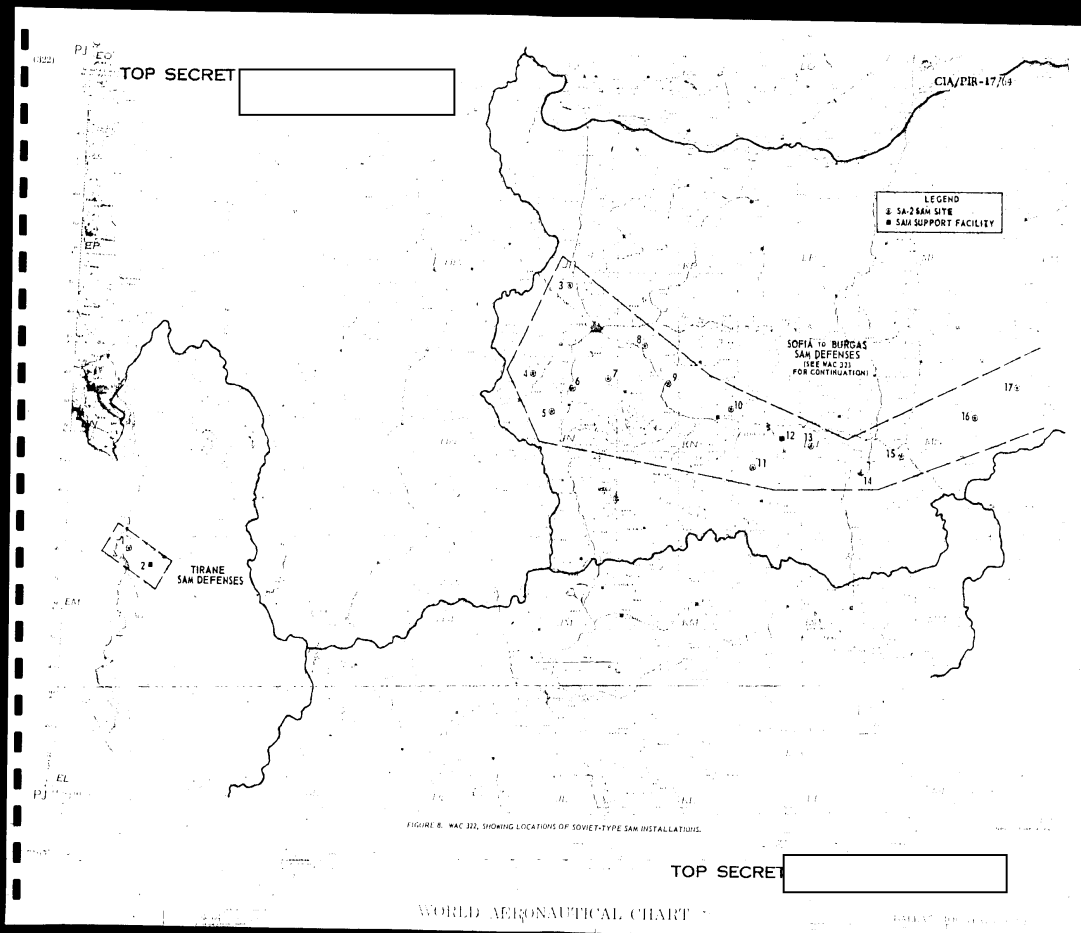
TOP SECRET [redacted]

Table 6. SAM Installations on R 40 222

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negotiated	Remarks
A. Tirane (Albania) SAM Defenses (in defense of Tirane, capital of Albania, and an important military center)							
1	Tirane SAM Site B29-2, [redacted]	41-22-08N 19-31-12E	AL 0322-16	SA-2, link	[redacted]		25X1D
2	Tirane SAM Support Fd [redacted]	41-16-10N 19-42-53E	AL 0322-16	Type I (rectangular)	[redacted]		
B. Sofia to Burgas (Bulgaria) SAM Defenses (in defense of the southern border of Bulgaria: Sofia, capital of Bulgaria, major transportation and industrial production center; machinery, carbide, chemical, and electrical equipment; iron and steel plant at Dimitrovo; Plovdiv, important transportation and military center, including two military airfields; Burgas, Black Sea port and naval base)							
3	Sofia SAM Site B13-2, [redacted]	42-56-20N 23-06-00E	BU 0322-8	SA-2, fan	[redacted]		25X1D
4	Sofia SAM Site C21-2, [redacted]	42-56-00N 23-17-30E	BU 0322-8	SA-2, fan	[redacted]		
5	Stanki Dimitroff SAM S [redacted]	42-13-15N 23-28-20E	BU 0322-13	SA-2, fan	[redacted]		
6	Sofia SAM Site C21-2, [redacted]	42-21-00N 23-05-00E	BU 0322-13	SA-2, fan	[redacted]		
7	Sofia SAM Site B17-2, [redacted]	42-24-00N 23-20-00E	BU 0322-8	SA-2, fan	[redacted]		
8	Sofia SAM Site B15-2, [redacted]	42-35-00N 23-43-00E	BU 0322-8	SA-2, fan	[redacted]		
9	Sofia SAM Site D13-2, [redacted]	42-25-10N 23-59-00E	BU 0322-11	SA-2, fan	[redacted]		
10	Plovdiv SAM Site B39 [redacted]	42-18-10N 24-20-00E	BU 0322-14	SA-2, fan	[redacted]		
11	Plovdiv SAM Site B23 [redacted]	41-55-30N 24-37-10E	BU 0322-14	SA-2, fan	[redacted]		
12	Plovdiv SAM Support I [redacted]	42-01-20N 24-51-30E	BU 0322-14	Type II (square)	[redacted]		
13	Plovdiv SAM Site B17 [redacted]	42-02-10N 25-01-35E	BU 0322-14	SA-2, fan	[redacted]		
14	Khan Kovo SAM Site A [redacted]	41-54-00N 25-30-10E	BU 0322-15	SA-2, fan	[redacted]		
15	Khan Kovo SAM Site A [redacted]	41-58-20N 25-50-20E	BU 0322-15	SA-2, fan	[redacted]		
16	Eikhanov SAM Site A25 [redacted]	42-10-10N 26-20-10E	BU 0322-15	SA-2, link	[redacted]		
17	Eikhanov SAM Site B6 [redacted]	42-20-00N 26-47-20E	BU 0322-15	SA-2, fan	[redacted]		

25X1A

TOP SECRET [redacted]



TOP SECRET

CIA/PRC-17/64

25X1D

25X1A

Table 2. SAM Installations on EAP 323

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Sofia to Burgas (Bulgaria) SAM Defenses (in defense of the southern border of Bulgaria; Sofia, capital of Bulgaria, major transportation and industrial production centers; machinery, rubber, chemical, and electrical equipment; iron and steel plant at Dimitrova; Plovdiv, important transportation and military center, including two military airfields; Burgas, Black Sea port and naval base)							
1	Burgas SAM Site B2222	42-20-40N 27-18-10E	BU 8325-11	SA-2, link			
2	Burgas SAM Site B1322	42-22-40N 27-41-50E	BU 8325-11	SA-2, link			
B. Varna (Bulgaria) SAM Defenses (in defense of Varna, major Bulgarian port on the Black Sea; Varna Naval Base and shipyards, Headquarters Bulgarian Black Sea fleet)							
3	Varna SAM Sites B10	43-01-45N 27-52-30E	BU 8325-6	SA-2, fm			
4	Varna SAM Support F1	43-19-30N 27-46-30E	BU 8325-1	Type II (square)			
5	Varna SAM Site A05-2	43-19-30N 28-03-10E	BU 8325-1	SA-2, fm			

25X1A

25X1D

TOP SECRET

TOP SECRET

WORLD AERONAUTICAL CHART

CIA/PIC-17/84

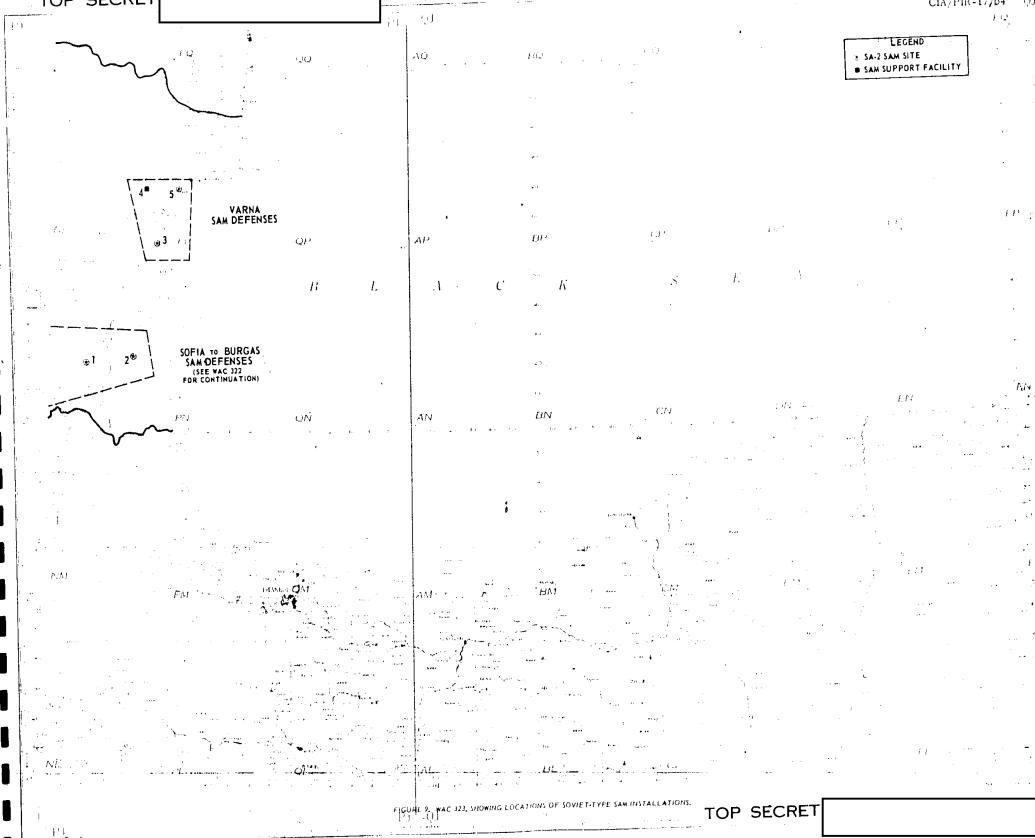


FIGURE 5, WAC 123, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

TOP SECRET

TOP SECRET

CIA/PIR-17/64

25X1A

25X1D

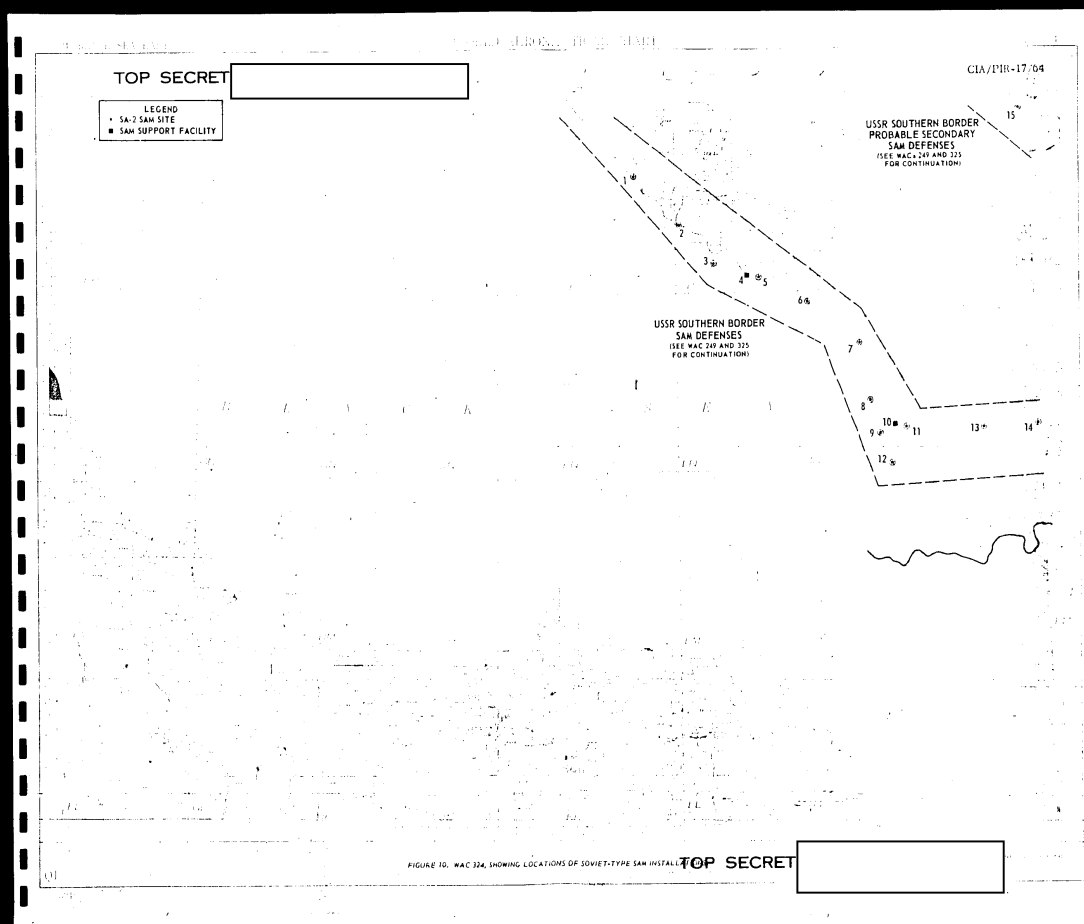
Table g. SAM Installations on B-30/322

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appear	Mission & Date Installation Negated	Remarks
A. USSR Southern Border SAM Defenses (in defense of the southern border of the USSR, a port on the Black Sea with port facilities, seaplane base, and government control center; Gduduta Airfield, Ochanchire Naval Base; Poti, a major port on the Black Sea; Poti Naval Base, and seaplane base) and Kutais, a military and light industrial complex containing a motor vehicle plant and military airfield)							
1	Suchti SAM Site A33-2	43-39-50N 39-38-15E	UR 0324-3	SA-2, link			
2	Adler SAM Site A11-2	43-23-40N 40-02-00E	UR 0324-4	SA-2, link			
3	Gduduta SAM Site B24	43-10-00N 40-19-30E	UR 0324-9	SA-2, fan			
4	Gduduta SAM Support Facility	43-06-30N 40-05-30E	UR 0324-9	Type II (square)			
5	Gduduta SAM Site A15-2	43-05-30N 40-12-30E	UR 0324-9	SA-2, fan			
6	Sakhami SAM Site A15-2	42-36-15N 41-05-00E	UR 0324-9	SA-2, fan			
7	Ochanchire SAM Site A11	42-42-10N 41-31-20E	UR 0324-10	SA-2, fan			
8	Poti SAM Site B15-2	42-22-00N 41-55-20E	UR 0324-15	SA-2, fan			
9	Poti SAM Site A15-2	42-12-00N 41-39-30E	UR 0324-15	SA-2, link			
10	Poti SAM Support Fac	42-14-00N 41-46-30E	UR 0324-15	Type I (rectangular)			
11	Poti SAM Site B17-2	42-13-30N 41-53-10E	UR 0324-15	SA-2, link			
12	Poti SAM Site A15-2	42-03-30N 41-45-10E	UR 0324-15	SA-2, link			
13	Kutaisi SAM Site A26	42-12-40N 42-31-10E	UR 0324-15	SA-2, link			
14	Kutaisi SAM Site B11	42-12-30N 42-39-10E	UR 0324-15	SA-2, link			
B. USSR Southern Border probable secondary SAM Defenses (this site forms part of a probable secondary barrier stretching between the Black and Caspian Seas)							
15	Pyatigorsk SAM Site A25-2	43-59-11N 42-55-10E	UR 0324-5	SA-2, star			

25X1A
25X1A
25X1A
25X1A

25X1D

TOP SECRET



TOP SECRET

25X1A 25X1A

25X1D

25X1A 25X1A 25X1A

Table 3. SAM Installations in the USSR

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Reported	Remarks
A. USSR Southern Border Probable Secondary SAM Defenses (These sites form a probable secondary barrier in defense of the southern border of the USSR, and also defend Nakhchivan, minor complex containing several explosive-storage areas; Ordzhonikidze, ore processing plants and PUL storage; Groznyy, major PUL complex including refineries, PUL refineries and PUL production equipment plants; Groznyy MBM Complex; Gelli, RBM Complex; Makhačkala Caspian Sea port containing PUL storage and transshipment facilities, ship equipment plant, munitions plant)							
1	Nakhchivan SAM Site B33-2	38-10-00N 43-21-00E	UR 0325-1	SA-2, configuration undetermined			
2	Nakhchivan SAM Support Facility	38-32-00N 43-37-00E	UR 0325-1	Type II (square)			
3	Nakhchivan SAM Site A17-2	38-10-00N 43-10-25E	UR 0325-1	SA-2, configuration undetermined			
4	Ordzhonikidze SAM Site C29-2	38-08-18N 41-27-30E	UR 0325-6	SA-2, star			
5	Ordzhonikidze SAM Site A06-2	38-01-20N 41-46-00E	UR 0325-7	SA-2, star			
6	Ordzhonikidze-Sanya SAM Support Facility	38-13-00N 43-02-20E	UR 0325-2	Type II (square)			
7	Groznyy SAM Site B26-2	43-12-00N 45-15-00E	UR 0325-2	SA-2, configuration undetermined			
8	Groznyy SAM Site B27-2	43-08-30N 45-29-10E	UR 0325-7	SA-2, link			
9	Groznyy SAM Support Facility	43-11-10N 45-33-30E	UR 0325-2	Type II (square)			
10	Groznyy SAM Site A05-2	43-21-30N 45-17-40E	UR 0325-2	SA-2, link			
11	Khasavyurt SAM Site A28	38-16-00N 46-20-10E	UR 0325-3	SA-2, star			
12	Makhačkala SAM Site B2	42-14-10N 47-11-00E	UR 0325-8	SA-2, fan			
13	Makhačkala SAM Support	42-56-10N 47-33-10E	UR 0325-8	Type II (square)			
14	Makhačkala SAM Site A	42-56-00N 47-33-00E	UR 0325-8	SA-2, star			
15	Makhačkala SAM Site C	42-32-10N 47-51-10E	UR 0325-8	SA-2, configuration undetermined			
B. USSR Southern Border SAM Defenses (in defense of the southern border of the USSR, and the following specific targets: Tbilisi, capital of the Georgian SSR, Trans-Caucasian Military District Headquarters; Baku, major Caspian Sea port-extensive port facilities, shipyard, naval base, and industrial complex-munitions PUL refineries, PUL storage areas, PUL production equipment plants)							
25X9							
16	Gori SAM Site B06-2	42-05-10N 44-20-10E	UR 0325-11	SA-2, configuration undetermined			
17	Tbilisi SAM Site A22-2	41-47-00N 44-42-00E	UR 0325-12	SA-2, link			
18	Tbilisi SAM Site B01-2	41-35-00N 44-36-00E	UR 0325-17	SA-2, link			
19	Tbilisi SAM Site B10-2	41-31-30N 44-58-00E	UR 0325-12	SA-2, configuration undetermined			
20	Tbilisi SAM Support Facility	41-37-00N 44-58-00E	UR 0325-12	Type I (rectangular)			
21	Tbilisi SAM Site B05-2	41-46-30N 45-02-30E	UR 0325-12	SA-2, link			
22	Tbilisi T-Sub SAM Site	41-26-45N 46-03-00E	UR 0325-17	SA-2, see remarks			Site No 22 has a star configuration within a modified link configuration. The ring road is over-road. An unimproved site, consisting of a circular road and nonrevolving launch position, is located approximately one nautical mile northwest of this site at 41-27-45N 46-01-15E. This unimproved site was first seen on 11-11-64 and can be reported on Mission

25X1A

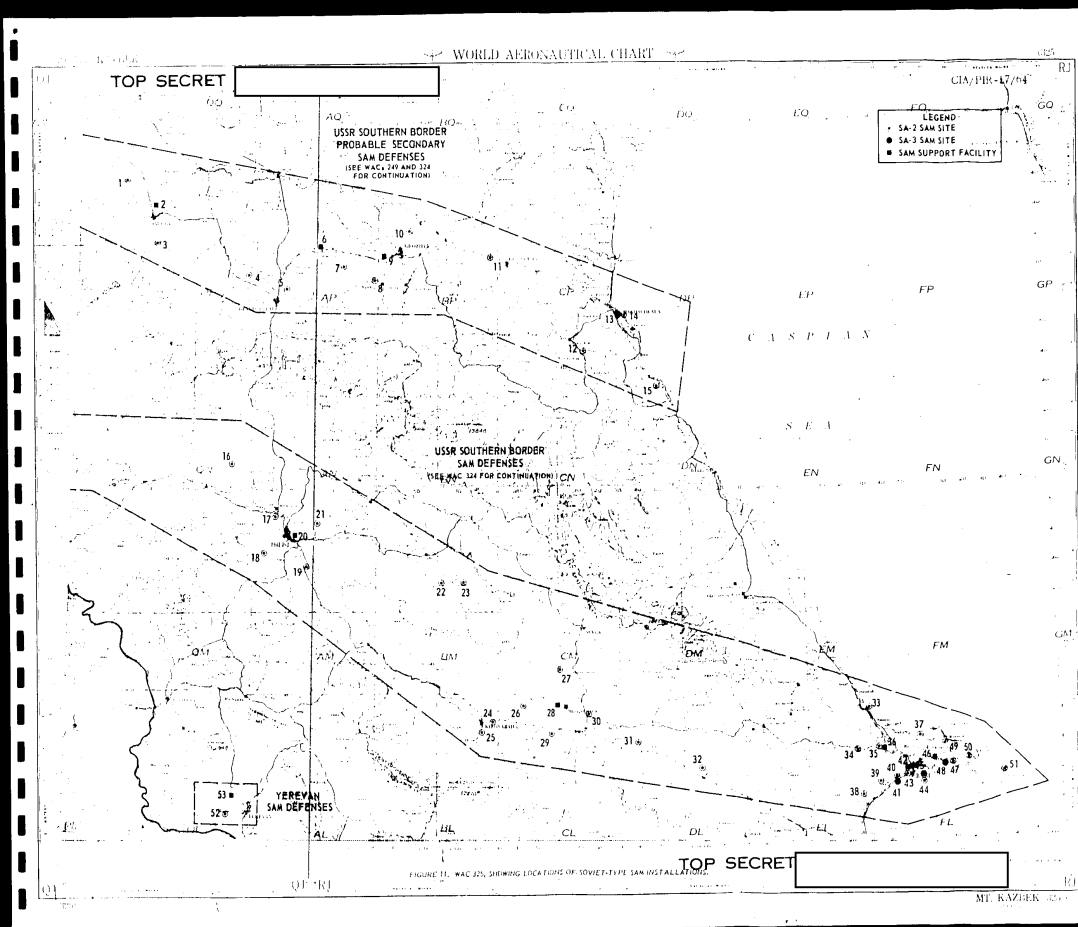
25X1A

25X1A

25X1D

25X1D

TOP SECRET



TOP SECRET

25X1D

Table 3. (Continued)

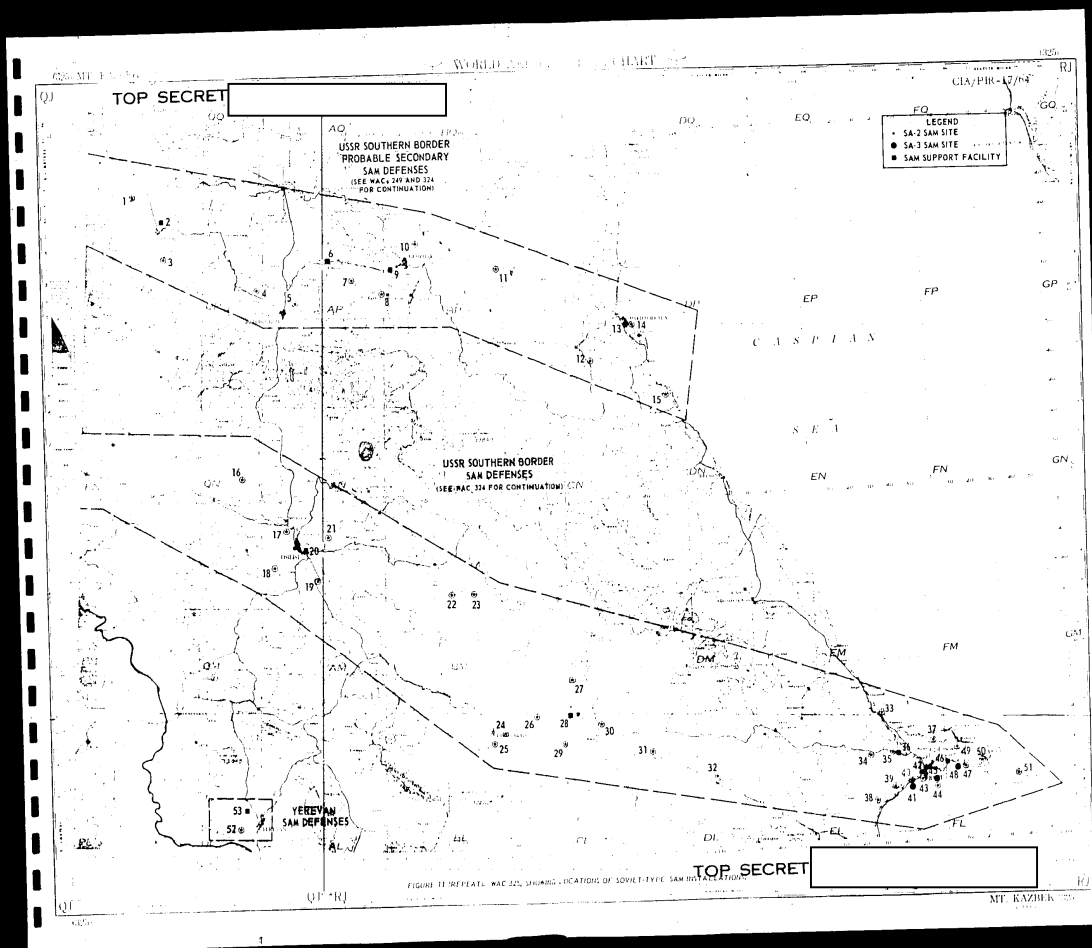
Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negotiated	Remarks
B. USSR Southern Border SAM Defenses (continued)							
23	Tskobi-Tskani SAM Site	41-27-20N 46-13-40E	UR 0325-1a	SA-2, configuration undetermined			
24	Kirovabad SAM Site A1	40-40-00N 46-26-30E	UR 0325-23	SA-2, configuration undetermined			
25	Kirovabad SAM Site A1	40-36-10N 46-23-30E	UR 0325-23	SA-2, configuration undetermined			
26	Mingechaur SAM Site B	40-15-00N 46-43-15E	UR 0325-23	SA-2, star			
27	Mingechaur SAM Site B	40-57-10N 47-01-20E	UR 0325-1a	SA-2, star			
28	Mingechaur SAM Support	40-45-10N 47-00-00E	UR 0325-23	Type I (rectangular)			
29	Mingechaur SAM Site B	40-55-20N 46-57-40E	UR 0325-23	SA-2, star			
30	Mingechaur SAM Site B	40-42-10N 47-15-00E	UR 0325-23	SA-2, star			
31	Mingechaur SAM Site C	40-32-42N 47-36-00E	UR 0325-23	SA-2, configuration undetermined			
32	Kyudaghir SAM Site A1	40-23-00N 48-09-30E	UR 0325-24	SA-2, configuration undetermined			
33	Baku SAM Site C35-2	40-42-50N 49-30-30E	UR 0325-25	SA-2, prob link			
34	Baku SAM Site C36-2	40-26-40N 49-24-40E	UR 0325-25	SA-2, star			
35	Baku SAM Site B30-2	40-20-00N 49-35-00E	UR 0325-25	SA-2, link			
36	Baku SAM Support Fac	40-20-00N 49-36-10E	UR 0325-25	Type II (square)			
37	Baku SAM Site B02-2	40-32-40N 49-54-30E	UR 0325-25	SA-2, fan			
38	Baku SAM Site C25-2	40-13-50N 49-25-25E	UR 0325-25	SA-2, fan			
39	Baku SAM Site B25-2	40-17-00N 49-34-00E	UR 0325-25	SA-2, configuration undetermined			
40	Baku SAM Site A23-2	40-10-45N 49-43-25E	UR 0325-25	SA-2, link			
41	Baku SAM Site A25-2	40-10-42N 49-43-30E	UR 0325-25	SA-3, configuration F			
42	Baku SAM Support Fac	40-06-00N 49-47-20E	UR 0325-25	Type I (rectangular)			
43	Baku SAM Site A22-2	40-19-50N 49-46-35E	UR 0325-25	SA-2, fan			
44	Baku SAM Site A16-2	40-17-35N 49-54-45E	UR 0325-25	SA-2, fan			
45	Baku SAM Site A16-2	40-17-52N 49-54-45E	UR 0325-25	SA-3, configuration F			
46	Baku SAM Support Fac	40-24-40N 50-01-10E	UR 0325-25	Type I (rectangular)			
47	Baku SAM Site B10-2	40-22-30N 50-07-40E	UR 0325-25	SA-2, prob link			
48	Baku SAM Site B10-2	40-22-20N 50-07-00E	UR 0325-25	SA-3, configuration F			
49	Baku SAM Site B10-2	40-20-40N 50-06-00E	UR 0325-25	SA-2, star			
50	Baku SAM Site B09-2	40-24-00N 50-18-00E	UR 0325-25	SA-2, daisy			
51	Baku SAM Site D10-2	40-19-20N 50-35-30E	UR 0325-25	SA-2, configuration undetermined			
C. Yerevan SAM Defenses (in defense of Yerevan, major industrial complex including synthetic rubber, chemical, electrical machinery, and aluminum production)							
52	Yerevan SAM Site A25-2	40-06-55N 44-19-57E	UR 0325-21	SA-2, link			
53	Yerevan SAM Support Facility	40-12-55N 44-22-48E	UR 0325-21	Type I (rectangular)			

25X1A

25X1A

25X1D

TOP SECRET



TOP SECRET

CIA, PRG-17, 64

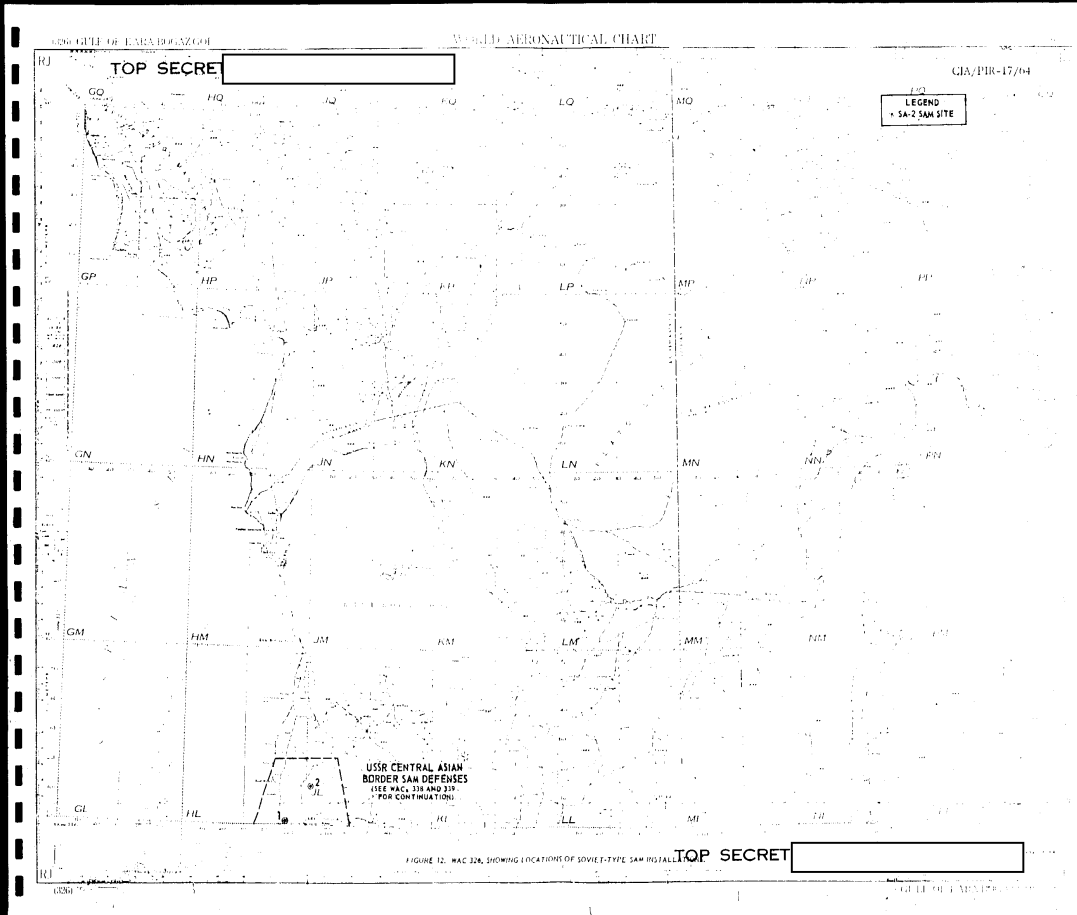
Table 1a. SAM Installations on R.R. 120

Item	Name, Site Designator, & BE's No.	Coordinates	Country & Map Ref.	Type & Configuration	Mission & Date First Appeared	Mission & Date Installation Suggested	Remarks
Central Asian Border SAM Defenses (in defense of Central Asian border of USSR, and in defense of Krasnodar-4, large transport on the east coast of the Caspian Sea and major petroleum center with extensive POL storage facilities)							
1	Krasnodar-4 SAM Site A25-2	40-01-00N 50-18-00E	UR 03/26/22	8V-2, dual			
2	Krasnodar-4 SAM Site B01-2	40-13-15N 50-01-50E	UR 03/26/22	8V-2, dual			

25X1A

25X1D

TOP SECRET



TOP SECRET

25X2

Table H. SAM Installations on 8-10-78

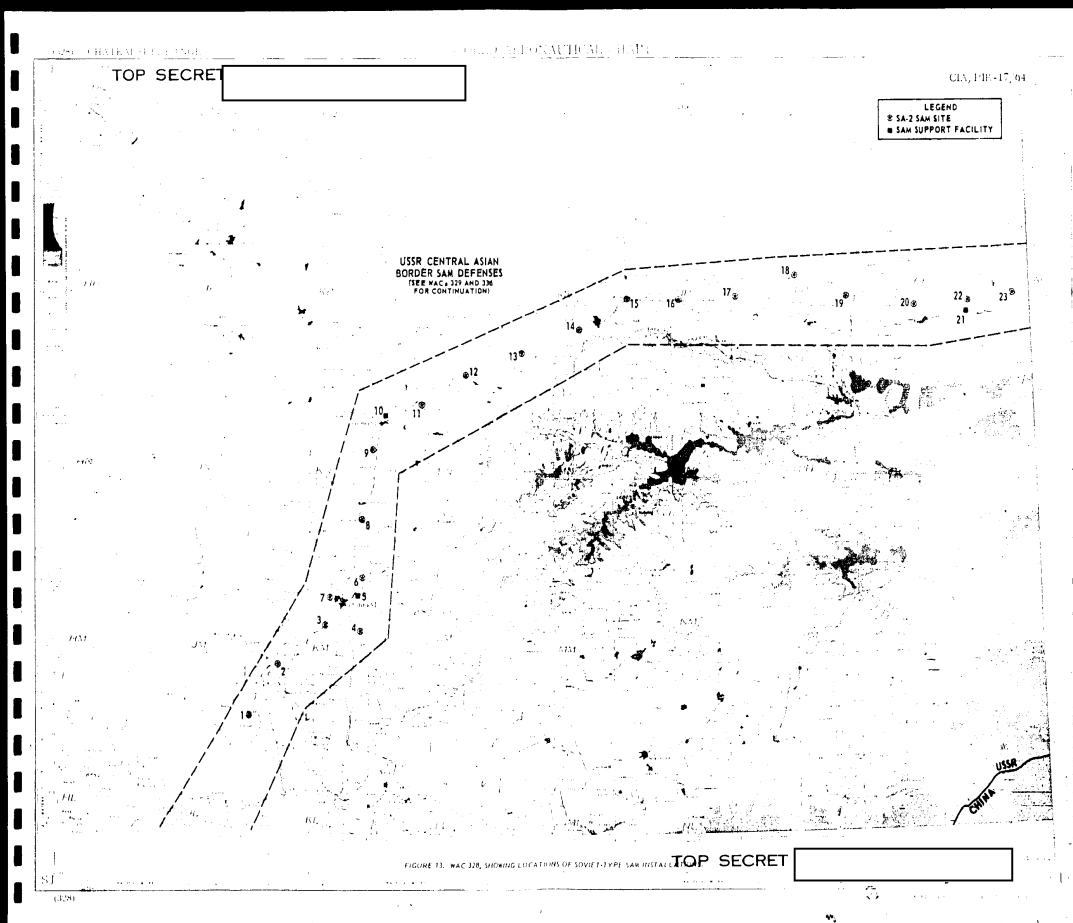
Item	Name, Site Designator, & BE No.	Coordinates	Country & Map Ref.	Type & Configuration	Missile & Date First Appears	Missile & Date Installation Acquired	Remarks
A. USSR Central Asian Border SAM Defense (in defense of the central Asian border of the USSR, and specific targets): Tashkent, capital of Uzbek SSR, Headquarters, Turkistan Military District; transportation center and industrial center; aircraft assembly, textile production; Chirchik, Air Defense Sector Headquarters; electrochemical combine; Chirchik, lead smelting and refining plant; chemical plant; Dzhambul, Lugovoy Airfield, jet fighter and helicopter base; and a superphosphate plant; Frunze, motor vehicle assembly plant, agricultural machinery plant.							
1	Mirafloz SAM Site B272	40-36-00N 68-23-30E	UR 0228-21	SV-2, link			
2	Ta-Bekt SAM Site B272	40-57-40N 68-46-40E	UR 0228-17	SV-2, link			
3	Ta-Bekt SAM Site B272	41-00-20N 69-08-20E	UR 0228-17	SV-2, link			
4	Chirchik SAM Site B272	41-00-00N 69-25-40E	UR 0228-17	SV-2, link			
5	Chirchik SAM Support La	41-20-20N 69-24-50E	UR 0228-17	Type I (rectangular)			
6	Ta-Bekt SAM Site A672	41-20-20N 69-26-50E	UR 0228-17	SV-2, probe link			
7	Chirchik SAM Site A672	41-21-00N 69-16-50E	UR 0228-17	SV-2, link			
8	Frunze-Lugovoy SAM Site A672	41-40-30N 69-25-00E	UR 0228-12	SV-2, link			
9	Chirchik SAM Site B272	42-00-00N 69-31-10E	UR 0228-12	SV-2, link			
10	Chirchik SAM Support La	42-00-20N 69-37-40E	UR 0228-12	Type II (square)			
11	Chirchik SAM Site B082	42-01-45N 69-37-40E	UR 0228-12	SV-2, link			
12	Batagay SAM Site C272	42-50-00N 70-16-43E	UR 0228-8	SV-2, configuration undetermined			
13	Batagay SAM Site A672	42-42-30N 70-16-40E	UR 0228-8	SV-2, link			
14	Dzhambul SAM Site A672	42-50-20N 71-15-30E	UR 0228-8	SV-2, link			
15	Dzhambul SAM Site B072	43-00-00N 71-15-33E	UR 0228-8	SV-2, link			
16	Lugovoy SAM Site C282	43-00-00N 72-01-50E	UR 0228-9	SV-2, link			
17	Lugovoy SAM Site A672	43-00-20N 72-31-10E	UR 0228-9	SV-2, link			
18	Lugovoy SAM Site B082	43-00-30N 72-02-10E	UR 0228-9	SV-2, link			
19	Karakaly SAM Site B082	42-50-00N 72-28-00E	UR 0228-10	SV-2, link			
20	Frunze SAM Site C282	42-55-00N 71-02-43E	UR 0228-10	SV-2, link			
21	Frunze SAM Support La	42-55-00N 71-02-00E	UR 0228-10	Type II (square)			
22	Frunze SAM Site C332	42-56-25N 71-20-42E	UR 0228-10	SV-2, link			
23	Frunze SAM Site B072	42-58-00N 72-01-20E	UR 0228-10	SV-2, link			

25X1D

25X1A

25X1A

TOP SECRET



TOP SECRET

CIA/PBC-17,84

25X1A

Table 12. SAM Installations on R.M. 129

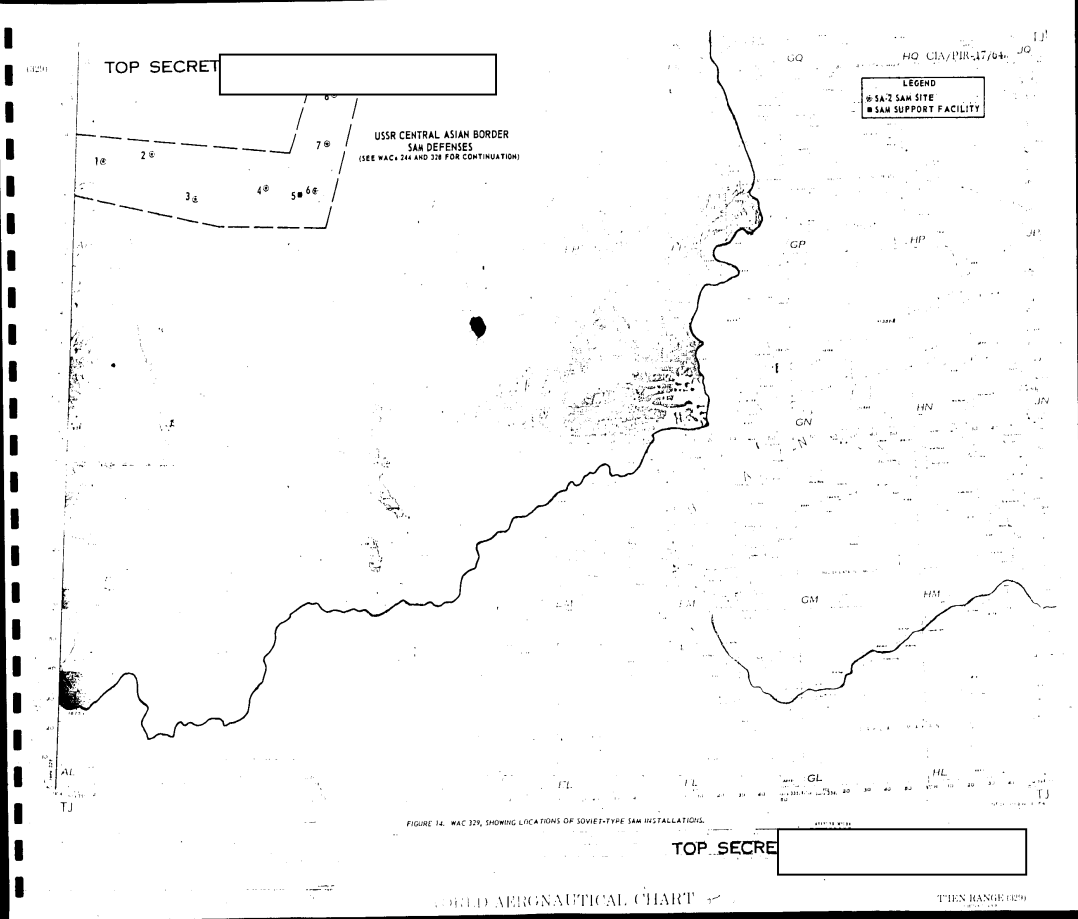
Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. USSR Central Asian Border SAM Defenses (in defense of the Central Asian Border of the USSR, and specific targets: Almaty, capital of Kazakh SSR, for Defense Sector Headquarters, and industrial center-still repair facilities, machine tool plant, heavy machinery production and maintenance production)							
1	Great SAM Site A10-2	43-31-00N 75-13-00E	UR 0329-1	SA-2, link			Located 0.5 nautical mile north-northwest of the support facility at 43-22-43N, 76-54-24E, is a secured inter-peak area containing probable SAM-related equipment. It was first observed on [redacted] and was not present on [redacted].
2	Great SAM Site B10-2	43-33-20N 75-38-13E	UR 0329-1	SA-2, configuration undetermined			
3	Great SAM Site D11-2	43-20-00N 76-01-00E	UR 0329-1	SA-2, configuration undetermined			
4	Almaty SAM Site H13-2	43-23-00N 76-36-50E	UR 0329-2	SA-2, link			
5	Almaty SAM Support Facility	43-22-43N 76-54-30E	UR 0329-2	Type II (square)			
6	Almaty SAM Site	43-23-50N 77-01-19E	UR 0329-2	SA-2, link			
7	Almaty SAM Site	43-40-42N 77-08-50E	UR 0329-2	SA-2, link			
8	Big SAM Site A10-3	43-55-30N 76-11-00E	UR 0329-2	SA-2, link			

25X1A 25X1A

25X1D

25X1D

TOP SECRET



TOP SECRET [REDACTED]

CIA/PIR-17/64

REFERENCES

DOCUMENTS

1. CIA. PIR-1 64, *Soviet-Type SAM Installations*, WACs 50, 51, 75, 91, and 92, Jun 64 (TOP SECRET [REDACTED])
2. CIA. PIR-3 64, *Soviet-Type SAM Installations*, WACs 102, 103, 127, 131, 152, and 153, (TOP SECRET [REDACTED])
3. CIA. PIR-7 64, *Soviet-Type SAM Installations*, WACs 152, 153, 156, 158, and 159, Mar 64 (TOP SECRET [REDACTED])
4. CIA. PIR-8 64, *Soviet-Type SAM Installations*, WACs 160, 161, 162, 163, 164, and 166, Mar 64 (TOP SECRET [REDACTED])
5. CIA. PIR-11 64, *Soviet-Type SAM Installations*, WACs 167, 168, 169, and 170, Apr 64 (TOP SECRET [REDACTED])
6. CIA. PIR-14 64, *Soviet-Type SAM Installations*, WACs 194, 196, 198 Through 205, and 201 Through 222, May 64 (TOP SECRET [REDACTED])
7. CIA. PIR-15 64, *Soviet-Type SAM Installations*, WACs 225, 226, 238, 239, 241, 245, 246, and 248 Through 252, Jun 64 (TOP SECRET [REDACTED])

REQUIREMENT

CIA. C-RR1-80,703

PROJECT

C-1590 83 (partial answer)

TOP SECRET [REDACTED]